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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/584,609

05/31/2000

Rosario A. Uceda-Sosa

POU9-2000-0019-US1

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7590

12/14/2004

EXAMINER

SIDDIQI, MOHAMMAD A

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ALBANY, NY 12203

ART UNIT

PAPER NUMBER

2154

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/584,609

Applicant(s)

UCEDA-SOSA ET AL.

Examiner

Mohammad A Siddiqi

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1 – 24 are presented for examination. Claims 2,4, and 6 are cancelled.
2. In view of the Appeal Brief filed on 08/02/2004, PROSECUTION IS HEREBY REOPENED. New grounds of rejection set forth below.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Cramer et al. (5,946,685) (hereinafter Cramer).

5. As per independent claim 1, Cramer teaches a method of managing locking of resources of a global data repository of a distributed computing environment, method comprising:

issuing a request, via a thread of a multithreaded client application of distributed computing environment (col 4, lines 11-15), for a lock of resource of said global data repository (col 2, lines 26-38, and col 7, lines 44-46); and

obtaining said lock for said thread independent of a threading model of an operating system of distributed computing environment (col 2, lines 26-38 and col 4, lines 11-15),

wherein said obtaining comprises employing a local tree (134, fig 2A) in obtaining said lock (col 2, lines 30-39 and col 7, lines 44-46), said local tree being local to the client application (134, fig 2A) and having a mount point usable by the client application to lock said resource (col 2, lines 30-39), and wherein said resource is further lockable via another point (col 2, lines 30-39 and col 7, lines 44-46) of one of said local tree (134, fig 2A) and another local tree (132, fig 2A, col 7, lines 44-46) .

6. As per claim 3, the claim is rejected for the same reasons as claim 1, above.

7. As per claim 5, As per claim 3, the claim is rejected for the same reasons as claim 1, above.
8. As per claims 7, 13, and 19 Cramer teaches connecting the local tree to a server data tree (134, 100, 104, fig 2B, col 5, lines 56-63).
9. As per claims 8, 14, and 20, Cramer teaches the use of connecting the local tree to the server data tree via a mount point on the local tree (134, 100, 104, fig 2B, col 5, lines 56-63).
10. As per claims 9, 15, and 21, Cramer teaches the issuing a request for a lock of at least one table of the global data repository (col 7, lines 10-46).
11. As per claims 10, 16, and 22, Cramer teaches the issuing the request from a server associated with said resource (col 2, lines 30-39 and col 7, lines 10-46).
12. As per claims 11, 17 and 23, Cramer teaches the use of unlocking said resource by the thread of the multithreaded client (col 2, lines 30-39) application (col 8, lines 16-26).

Art Unit: 2154

13. As per claims 12, 18 and 24, Cramer teaches the using said resource by another thread of the multithreaded client application (fig 3A,col 2, lines 30-39 and col 6, lines 33-40).

Response to Arguments

14. Applicant's arguments with respect to claims 1-24 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S. Patent 4,887,204 teaches access remote files and managing lock by mounting local tree.

U.S. Patent 6,115,715 teaches multi-threading and obtaining lock using thread.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose

Art Unit: 2154

telephone number is (571) 272-3976. The examiner can normally be reached on Monday -Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MAS



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